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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1

of

### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	4646-1647
Examiner Name	Unassigned J. Schoraleyn
Attorney Docket Number	019496-005820US

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
JJ	AA	6,140,466		Barbas III et al.	10/31/00	
	AB	6,140,081		Barbas	10/31/00	
	AC	6,140,073		Bayne et al.	10/31/00	
	AD	6,130,071		Alitalo et al.	10/10/00	
	AE	6,040,157		Hu et al.	03/21/00	
	AF	6,013,453		Choo et al.	01/11/00	
	AG	6,007,988		Choo et al.	12/28/99	
	AH	6,007,408		Sandhu	12/28/99	
	AI	6,001,885		Vega et al.	12/14/99	
	AJ	5,994,300		Bayne et al.	11/30/99	
	AK	5,972,615		An et al.	10/26/99	
	AL	5,939,538		Leavitt et al.	08/17/99	
	AM	5,935,820		Rosen et al.	08/10/99	
	AN	5,932,540		Rosen et al.	08/03/99	
	AO	5,928,939		Eriksson et al.	07/27/99	
	AP	5,916,794		Chandrasegaran	06/29/99	
	AQ	5,871,907		Winter et al.	02/16/99	
	AR	5,871,902		Weininger et al.	02/16/99	
	AS	5,869,618		Lippman et al.	02/9/99	
	AT	5,840,693		Eriksson et al.	11/24/98	
	AU	5,792,640		Chandrasegaran	08/11/98	
	AV	5,789,538		Rebar et al.	08/04/98	
	AW	5,776,755		Alitalo et al.	07/07/98	
	AX	5,702,914		Evans et al.	12/30/97	

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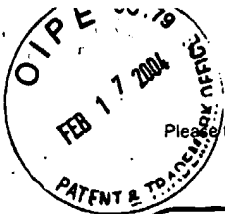
Examiner Signature	J. Schoraleyn	Date Considered	5/7/04
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2

of

### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646-1647
Examiner Name	Unassigned - J. Scheravsky
Attorney Docket Number	019496-005820US

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
JP	AY	5,674,738		Abramson et al.	10/7/97	
	AZ	5,639,592		Evans et al.	6/17/97	
	BA	5,607,918		Eriksson et al.	03/04/97	
	BB	5,597,693		Evans et al.	01/28/97	
	BC	5,578,483		Evans et al.	11/26/96	
	BD	5,498,530		Schatz et al.	03/12/96	
	BE	5,487,994		Chandrasegaran	01/30/96	
	BF	5,436,150		Chandrasegaran	07/25/95	
	BG	5,403,484		Ladner et al.	04/4/95	
	BH	5,376,530		De The et al.	12/27/94	
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	BO	5,324,818		Nabel et al.	06/28/94	
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	BR	5,243,041		Fernandez-Pol	09/7/93	
	BS	5,240,848		Keck et al.	08/31/93	
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	BU	5,219,739		Tischer et al.	06/15/93	
	BV	5,219,596		Tischer et al.	06/15/93	
	BW	5,198,346		Ladner et al.	03/30/93	

Examiner  
Signature

J. Scheravsky

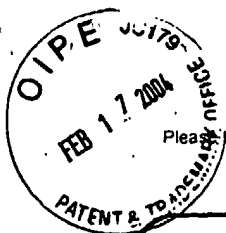
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		Application Number	09/846,033
		Filing Date	April 30, 2001
		First Named Inventor	Rebar, Edward, et al.
		Group Art Unit	1646-1647
		Examiner Name	Unassigned J. Schavasey
Sheet 3 of	Attorney Docket Number	019496-005820US	

U.S. PATENT DOCUMENTS						
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		Number	Kind Code <sup>2</sup> (if known)			
JS	BX	5,194,596		Smith et al.	03/16/93	RECEIVED  FEB 24 2004
	BY	5,096,815		Ladner et al.	03/17/92	
	BZ	5,096,814		Aivasidis et al.	03/17/92	
	CA	5,073,492		Chen et al.	12/17/91	
	CB	4,990,607		Katagiri et al.	02/5/91	
	CC	4,456,550		Dvorak et al.	06/26/84	

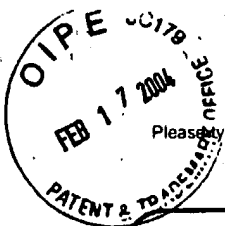
FOREIGN PATENT DOCUMENTS								
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Office	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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	CE		WO 00/44903		PCT	08/03/00		
	CF		WO 00/42219		PCT	07/20/00		
	CG		WO 00/41566		PCT	07/20/00		
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	CI		WO 00/27878		PCT	05/18/00		
	CJ		WO 00/25805		PCT	05/11/00		
	CK		WO 00/23464		PCT	04/27/00		
	CL		WO 00/09148		PCT	02/24/00		
	CM		WO 99/50290		PCT	10/07/99		
	CN		WO 99/48909		PCT	09/30/99		
	CO		WO 99/47677		PCT	09/23/99		
	CP		WO 99/47656		PCT	09/23/99		
	CQ		WO 99/46364		PCT	09/16/99		

Examiner Signature	J. Schavasey	Date Considered	5/7/04
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4

of

### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646-1647
Examiner Name	Unassigned J Schoraseyn
Attorney Docket Number	019496-005820US

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office	Number <sup>3</sup>	Kind Code <sup>4</sup> (if known)				
JS	CR		WO 99/45132		PCT	09/10/99		
	CS		WO 99/42474		PCT	08/26/99		
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	CU		WO 99/40197		PCT	08/12/99		
	CV		WO 99/37671		PCT	07/29/99		
	CW		WO 99/36553		PCT	07/22/99		
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	CY		WO 98/54311		PCT	12/03/98		
	CZ		WO 98/53060		PCT	11/26/98		
	DA		WO 98/53059		PCT	11/26/98		
	DB		WO 98/53058		PCT	11/26/98		
	DC		WO 98/53057		PCT	11/26/98		
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	DE		WO 98/33917		PCT	08/06/98		
	DF		WO 98/24811		PCT	06/11/98		
	DG		WO 98/10078		PCT	03/12/98		
	DH		WO 98/10071		PCT	03/12/98		
	DI		WO 98/07832		PCT	02/26/98		
	DJ		WO 97/27213		PCT	07/31/97		
	DK		WO 97/27212		PCT	07/31/97		
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	DO		WO 96/39515		PCT	12/12/96		

Examiner  
Signature

J Schoraseyn

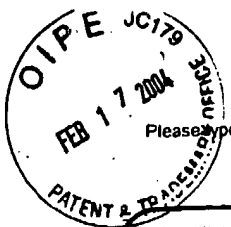
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5

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### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646-1647
Examiner Name	Unassigned
Attorney Docket Number	019496-005820US

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		Office	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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	DQ		WO 96/27007		PCT	09/06/96		
	DR		WO 96/26736		PCT	09/06/96		
	DS		WO 96/20951		PCT	07/11/96		
	DT		WO 96/11269		PCT	04/18/96		
	DU		WO 96/11267		PCT	04/18/96		
	DV		WO 96/06166		PCT	02/29/96		
	DW		WO 96/06110		PCT	02/29/96		
	DX		WO 95/24473		PCT	09/14/95		
	DY		WO 95/19431		PCT	07/20/95		
	DZ		EP 0 935 001		EPO	08/11/95		
	EA		EP 0 875 567		EPO	11/04/98		abstract
	EB		EP 0 506 477		EPO	09/30/92		
	EC		EP 0 484 401		EPO	07/27/90		
	ED		EP 0 476 983		EPO	03/15/00		
	EE		EP 0 471 754		EPO	11/15/90		
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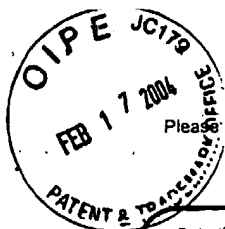
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Examiner Signature	J. Schwanseyn	Date Considered	5/7/04
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **6**

of

### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1846-1642
Examiner Name	Unassigned J. Schorsey
Attorney Docket Number	019496-005820US

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### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
J.S.	EH	Agarwal et al., "Stimulation of Transcript Elongation Requires both the Zinc Finger and RNA Polymerase II Binding Domains of Human TFIIS," <u>Biochemistry</u> , 30(31):7842-7851 (1991).	
	EI	Achen et al., "Vascular endothelial growth factor D (VEGF-D) is a ligand for the tyrosine kinases VEGF receptor 2 (Flk1) and VEGF receptor 3 (Flt4)," <u>PNAS</u> , 95:549-553 (1998).	
	EJ	Akiri et al., "Regulation of Vascular Endothelial Growth Factor (VEGF) expression is mediated by internal initiation of translation and alternative initiation of transcription," <u>Oncogene</u> , 17:227-236 (1998).	
	EK	Antao et al., "A thermodynamic study of unusually stable RNA and DNA hairpins," <u>Nuc. Acids, Res.</u> , 19(21):5901-5905 (1991).	
	EL	Barbas et al., "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site," <u>PNAS</u> , 88:7978-7982 (1991).	
	EM	Barbas et al., "Semisynthetic combinatorial antibody libraries: A chemical solution to the diversity problem," <u>PNAS</u> , 89:4457-4461 (1992).	
	EN	Barbas, C. F., "Recent advances in phage display," <u>Curr. Opin. Biotech.</u> , 4:526-530 (1993).	
	EO	Bartsevich et al., "Regulation of the MDR1 Gene by Transcriptional Repressors Selected using peptide Combinatorial Libraries," <u>Mol. Pharmacol.</u> , 58:1-10 (2000).	
	EP	Bartsevich et al., "Regulation of the MDR1 Gene By Transcriptional Repressors Selected Using Peptide Combinatorial Libraries," <u>Mol. Pharmacol.</u> , 58: 1-10 (2000).	
	EQ	Beerli et al., "Positive and Negative Regulation of Endogenous Genes Designed by Transcription Factors," <u>PNAS</u> , 97: 1495-1500 (2000).	
	ER	Beerli, R.R. et al. "Toward controlling gene expression at will: Specific regulation of the <i>erbB-2/HER-2</i> promoter by using polydactyl zinc finger proteins constructed from modular building blocks," <u>PNAS</u> , 95:14628-14633 (1998).	
	ES	Bellefroid et al., "Clustered organization of homologous KRAB zinc-finger genes with enhanced expression in human T lymphoid cells," <u>EMBO J.</u> , 12(4):1363-1374 (1993).	
J.	ET	Berg et al., "The Galvanization of Biology: A Growing Appreciation for the Roles of Zinc," <u>Science</u> , 271:1081-1085 (1996).	

Examiner  
Signature

J. Schorsey

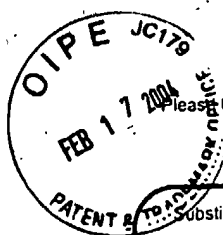
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Sheet 7 of     

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Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1046-1642
Examiner Name	Unassigned JSchwarze
Attorney Docket Number	019496-005820US

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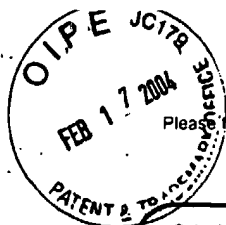
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JS	EU	Berg, J. M., "DNA Binding Specificity of Steroid Receptors," <u>Cell</u> , 57:1065-1068 (1989).	
	EV	Berg, J. M., "Sp1 and the subfamily of zinc finger proteins with guanine-rich binding sites," <u>PNAS</u> , 89:11109-11110 (1992).	
	EW	Berg, J.M., "Letting your fingers do the walking," <u>Nature Biotechnology</u> , 15:323 (1997).	
	EX	Bergqvist et al., "Loss of DNA-binding and new transcription <i>trans</i> -activation function in polyomavirus large T-antigen with mutation of zinc finger motif," <u>Nuc. Acids Res.</u> , 18(9):2715-2720 (1990).	
	EY	Birkenhager, R., "Synthesis and physiological activity of heterodimers comprising different splice forms of vascular endothelial growth factor and placenta growth factor," <u>Biochem. J.</u> , 316:703-707 (1996).	
	EZ	Blaese et al., "Vectors in cancer therapy: how will they deliver?," <u>Cancer Gene Therapy</u> , 2(4):291-297 (1995).	
	FA	Cao, Y. "Heterodimers of Placenta Growth Factor/Vascular Endothelial Growth Factor," <u>J. Biol. Chem.</u> , 271: 3154-3162 (1996).	
	FB	Cao, Y. "Placenta Growth Factor: Identification and Characterization of a Novel Isoform Generated by RNA Alternative Splicing," <u>Biochem. Biophys. Res Commun.</u> , 235: 493-498 (1997).	
	FC	Caponigro et al., "Transdominant genetic analysis of a growth control pathway," <u>PNAS</u> , 95:7508-7513 (1998).	
	FD	Carmeliet et al., "Abnormal blood vessel development and lethality in embryos lacking a single VEGF allele," <u>Nature</u> , 380: 435-442 (1996).	
	FE	Carmeliet et al., "Impaired myocardial angiogenesis and ischemic cardiomyopathy in mice lacking the vascular endothelial growth factor isoforms VEGF 164 and VEGF 188," <u>Nature Med.</u> , 5: 495-502 (1999).	
FF	Celenza et al., "A Yeast Gene That Is Essential for Release from Glucose Repression Encodes a Protein Kinase," <u>Science</u> , 233:1175-1180 (1986).		

Examiner Signature	JSchwarze	Date Considered	5/7/04
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Sheet 8

of

**Complete if Known**

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	7646-1647
Examiner Name	Unassigned J. Schenasey
Attorney Docket Number	019496-005820US

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**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JF	FG	Cheng et al., "A Single Amino Acid substitution in Zinc Finger 2 of Adrlp Changes its Binding Specificity at two Positions in UAS1," <u>J. Mol. Biol.</u> , 251:1-8 (1995).	
	FH	Cheng et al., "Identification of Potential Target Genes for Adrlp through Characterization of Essential Nucleotides in UAS1," <u>Mol. Cellular Biol.</u> , 14(6):3842-3852 (1994).	
	FI	Choo et al., "A role in DNA binding for the linker sequences of the first three zinc fingers of TFIIIA," <u>Nuc. Acids Res.</u> , 21(15):3341-3346 (1993).	
	FJ	Choo et al., "Advances in Zinc Finger Engineering," <u>Current Opinion in Structural Biology</u> , 10:33850-3860 (2000).	
	FK	Choo et al., "All wrapped up," <u>Nature Structural Biology</u> , 5(4):253-255 (1998).	
	FL	Choo et al., "Designing DNA-binding proteins on the surface of filamentous phage," <u>Curr. Opin. Biotechnology</u> , 6:431-436 (1995).	
	FM	Choo et al., "Physical basis of a protein-DNA recognition code," <u>Curr. Opin. Struct. Biol.</u> , 7(1):117-125 (1997).	
	FN	Choo et al., "Promoter-specific Activation of Gene Expression Directed by Bacteriophage-selected Zinc Fingers," <u>J. Mol. Biol.</u> , 273:525-532 (1997).	
	FO	Choo, Y. and Klug, A. "Selection of DNA binding sites for zinc fingers using rationally randomized DNA reveals coded interactions." <u>PNAS</u> , 91:11168-11172 (1994).	
	FP	Choo, Y. and Klug, A. Toward a code for the interactions of zinc fingers with DNA: Selection of randomized fingers displayed on phage." <u>PNAS</u> , 91:11163-11167 (1994).	
	FQ	Choo, Y. et al. "In vivo repression by a site-specific DNA-binding protein designed against an oncogenic sequence." <u>Nature</u> , 372:642-645 (1994).	
	FR	Choo, Y., "End effects in DNA recognition by zinc finger arrays," <u>Nuc. Acids Res.</u> , 26(2):554-557 (1998).	
	FS	Choo, Y., "Recognition of DNA methylation by zinc fingers," <u>Nature Struct. Biol.</u> , 5(4):264-265 (1998).	
✓	FT	Chua et al., J. "Interleukin 6 Induces the expression of Vascular Endothelial Growth Factor," <u>Biol. Chem.</u> , 271: 736-741 (1996).	

Examiner  
Signature

J. Schenasey

Date  
Considered

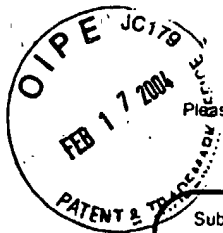
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 9 of     

### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646-1647
Examiner Name	Unassigned J. Schorasey
Attorney Docket Number	019496-005820US

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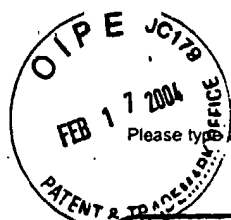
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
J	FU	Clarke et al., "Zinc Fingers in <i>Caenorhabditis elegans</i> : Finding Families and Probing Pathways," <i>Science</i> , 282:2018-2022 (1998).	
	FV	Clauss, M., "The Vascular Endothelial Growth Factor Receptor Flt-1 Mediates Biological Activities," <i>J. Biol. Chem.</i> , 271: 17629-17634 (1996).	
	FW	Cohen, et al., "Interleukin 6 Induces the Expression of Vascular Endothelial Growth Factor," <i>The Journal of Biological Chemistry</i> , 271(2):736-741 (1996).	
	FX	"Collateral Therapeutics Inc. (CLTX) Announces Research On New Angiogenic Growth Factor Gene VEGF-138," (November 30, 2000) published at BioSpace.com.	
	FY	Connolly, "Vascular Permeability Factor: A Unique Regulator of Blood Vessel Function" <i>J. Cellular Biochem.</i> , 47: 219-223 (1991).	
	FZ	Corbi et al., "Synthesis of a New Zinc Finger Peptide; Comparison of Its 'Code' Deduced and 'CASTing' Derived Binding Sites," <i>FEBS Letters</i> , 417:71-74 (1997).	
	GA	Crozatier et al., "Single Amino Acid Exchanges in Separate Domains of the Drosophila serendipity $\delta$ Zinc Finger Protein Cause Embryonic and Sex Biased Lethality," <i>Genetics</i> , 131:905-916 (1992).	
	GB	Damert et al., Activator-protein-1 binding potentiates the hypoxia-inducible factor-1 mediated hypoxia-induced transcriptional activation of vascular-endothelial growth factor expression in C6 glioma cells," <i>Biochem. J.</i> 327: 419-423 (1997).	
	GC	Debs et al., "Regulation of Gene Expression <i>in Vivo</i> by Liposome-mediated Delivery of a Purified Transcription factor," <i>J. Biological Chemistry</i> , 265(18):10189-10192 (1990).	
	GD	Desjarlais et al., "Redesigning the DNA-Binding Specificity of a Zinc Finger Protein: A Data Base-Guided Approach," <i>Proteins: Structure, Function, and Genetics</i> , 12(2):101-104 (1992).	
	GE	Desjarlais et al., "Redesigning the DNA-Binding Specificity of a Zinc Finger Protein: A Data Base-Guided Approach," <i>Proteins: Structure, Function, and Genetics</i> , 13(3):272 (1992).	
	GF	Desjarlais, J.R. and Berg, J.M. "Length-encoded multiplex binding site determination: Application to zinc finger proteins," <i>PNAS</i> , 91:11099-11103 (1994).	

Examiner Signature	J. Schorasey	Date Considered	5/7/04
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **10**

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### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646 1647
Examiner Name	Unassigned J. Schorasey
Attorney Docket Number	019496-005820US

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J	GG	Desjarlais, J.R. and Berg, J.M. "Toward rules relating zing finger protein sequences and DNA binding site preferences," <u>PNAS</u> , 90:7345-7349 (1992).	
	GH	Desjarlais, J.R. and Berg, J.M. "Use of a zinc-finger consensus sequence framework and specificity rules to design specific DNA binding proteins," <u>PNAS</u> , 90:2256-2260 (1993).	
	GI	Diaz et al., "Regulation of Vascular Endothelial Growth Factor Expression in Human Keratocytes by Retinoids," <u>J. Biol. Chem.</u> , 275:642-650 (2000).	
	GJ	DiBello et al., "The Drosophila Broad-Complex Encodes a Family of Related Proteins Containing Zinc Fingers," <u>Genetics</u> , 129:385-397 (1991).	
	GK	Dreier et al. "Insights into the Molecular Recognition of the 5'GNN-3' Family of DNA Sequences by Zinc Finger Domains," <u>J. Mol. Biol.</u> , 303:489-502 (2000).	
	GL	Elrod-Erickson et al., "High-resolution structures of variant Zif268-DNA complexes: implications for understanding zinc finger-DNA recognition," <u>Structure</u> , 6(4):451-464 (1998).	
	GM	Elrod-Erickson et al., "Zif268 protein-DNA complex refined at 1.6 Å: a model system for understanding zinc finger-DNA interactions," <u>Structure</u> , 4(10):1171-1180 (1996).	
	GN	Esakof et al., "Intraoperative Multiplane Transesophageal Echocardiography for Guiding Direct Myocardial Gene Transfer of Vascular Endothelial Growth Factor in Patients with Refractory Angina Pectoris," <u>Hum. Gene Ther.</u> , 10:2307-2314 (1999).	
	GO	Fairall et al., "The crystal structure of a two zinc-finger peptide reveals an extension to the rules for zinc-finger/DNA recognition," <u>Nature</u> , 366:483-487 (1993).	
	GP	Ferrara et al., "Heterozygous embryonic lethality induced by targeted inactivation of the VEGF gene," <u>Nature</u> , 380: pp. 439-442 (1996).	
	GQ	Ferrara et al., "The Vascular Endothelial Growth Factor Family of Polypeptides," <u>J Cellular Biochem.</u> , 47:211-218.(1991).	
	GR	Forsythe et al., "Activation of Vascular Endothelial Growth Factor Gene Transcription by Hypoxia-Inducible Factor 1," <u>Mol. Cell. Biol.</u> , 16:4604-4613 (1996).	
	GS	Frankel et al., "Fingering Too Many Proteins," <u>Cell</u> , 53:675 (1988).	

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Signature

J. Schorasey

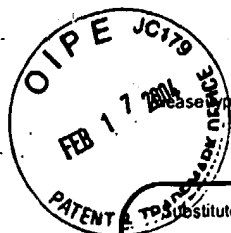
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### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646-1647
Examiner Name	Unassigned J. Schorley
Attorney Docket Number	019496-005820US

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JJ	GT	Friesen et al., "Phage Display of RNA Binding Zinc Fingers from Transcription Factor IIIA*," <u>J. Biological Chem.</u> , 272(17):10994-10997 (1997).	
	GU	Friesen et al., "Specific RNA binding proteins constructed from zinc fingers," <u>Nature Structural Biology</u> , 5(7):543-546(1998).	
	GV	Gen Bank Accession No. V41383 (GI 1134964) " <u>Mus Musculus</u> Vascular Endothelial Growth Factor (VEGF) Gene, Partial cds. and Promoter Region," (04/17/96).	
	GW	GenBank Accession No. AC015837 (GI7407936) <u>Homo Sapiens</u> , clone RP11-23117," (04/04/00).	
	GX	GenBank Accession No. AF 106020 (GI4139223) "A Novel Vascular Endothelial Growth factor Encoded by Orf Virus, VEGF-E, mediates angiogenesis via signalling through VEGFR-2 (KDR) but not VEGFR-1 (Flt-1) receptor tyrosine Kinases," (03/11/99).	
	GY	GenBank Accession No. AF020393 (GI2582366) Genomic organization of human and mouse genes for vascular endothelial growth factor C," (11/02/97).	
	GZ	GenBank Accession No. AF095785 (GI4154290) "Two novel polymorphisms in the promtor region of the human vascular endothelial growth factor (VEGF)gene," (01/14/99).	
	HA	GenBank Accession No. HSU 69570 (GI 1825473) "Direct Submission," (02/07/97).	
	HB	GenBank Accession No. HSU80601 (GI 1815657) "Analysis of the Promotor Region of the Human VEGF- related Factor Gene," (02/05/97).	
	HC	GenBank Accession No. HSY 12864 (GI 2909351) "Human FIG F: cloning, gene structure, and mapping to chromosome Xp22.1 between the PIGA and the GRPR genes," (08/02/99).	
	HD	GenBank Accession No. S67520 (GI 456897) "Homologs of Vascular Endothelial Growth Factor are Encoded by the Poxvirus Orf Virus," <u>J. Virol.</u> , 68 (1):84-92 (1994).	
	HE	GenBank Accession No. AF091434 (GI6002592) "Homo sapiens secretory growth factor-like protein fallotein mRNA, complete cds," (06/22/00).	

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Signature

J. Schorley

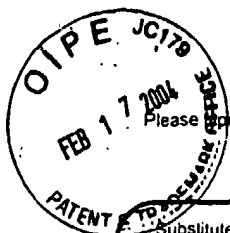
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **12**

of

### Complete If Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	T646-1647
Examiner Name	Unassigned J. Schorasey
Attorney Docket Number	019496-005820US

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
JF	HF	GenBank Acession No. U80601 "Human novel unknown gene, partial 3'UTR, and VEGF-related factor (VRF) gene, promoter region," (02/05/97).
	HG	Gogos et al., "Recognition of diverse sequences by class I zinc fingers: Asymmetries and indirect effects on specificity in the interaction between CF2II and A+T-rich sequence elements," <u>PNAS</u> , 93(5):2159-2164 (1996).
	HH	Ghosh, D., "A relational database of transcription factors," <u>Nuc. Acids Res.</u> , 18(7):1749-1756 (1990).
	HI	Gossen et al., "Tight control of gene expression in mammalian cells by tetracycline-responsive promoters," <u>PNAS</u> , 89:5547-5551 (1992).
	HJ	Grant et al., "Exploring the Role of Glutamine 50 in the Homeodomain-DNA Interface: Crystal Structure of Engrailed (Gln50→Ala) Complex at 2.0Å," <u>Biochemistry</u> , 39:8187-8192 (2000).
	HK	Greisman, H.A. and Pabo, C.O. "A general strategy for selecting high-affinity zinc finger proteins for diverse DNA target sites," <u>Science</u> , 275:657-661. (1997).
	HL	Grunstein et al., "Isoforms of Vascular Endothelial Growth Factor Act in a Coordinate Fashion to Recruit and Expand Tumor Vasculature," <u>Mol. Cell. Biol.</u> , 20:728-7291 (2000).
	HM	Hamilton et al., "Comparison of the DNA Binding Characteristics of the Related Zinc Finger Proteins WT1 and EGR1," <u>Biochemistry</u> , 37:2051-2058 (1998).
	HN	Hamilton et al., "High affinity binding sites for the Wilms' tumor suppressor protein WT1," <u>Nuc. Acids Res.</u> , 23(2):277-284 (1995).
	HO	Hanas et al., "Internal deletion mutants of <i>Xenopus</i> transcription factor IIIA," <u>Nuc. Acids Res.</u> , 17(23):9861-9870 (1989).
	HP	Hayes et al., "Locations of Contacts between Individual Zinc Fingers of <i>Xenopus laevis</i> Transcription Factor IIIA and the Internal Control Region of a 5S RNA Gene," <u>Biochemistry</u> , 31:11600-11605 (1992).
by	HQ	Heinzel et al., "A complex containing N-CoR, mSin3 and histone deacetylase mediates transcriptional repression," <u>Nature</u> , 387:43-48 (1997).

Examiner  
Signature

J. Schorasey

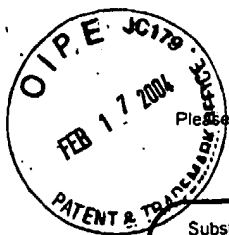
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **13**

of

### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646 1647
Examiner Name	Unassigned J. Schoraleyn
Attorney Docket Number	019496-005820US

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JF	HR	Hendel et al., "Effect of Intracoronary Recombinant Human Vascular Endothelial Growth Factor on Myocardial Perfusion," <u>Circulation</u> 101:118-121 (2000).	
	HS	Hirst et al., "Discrimination of DNA response elements for thyroid hormone and estrogen is dependent on dimerization of receptor DNA binding domains," <u>PNAS</u> , 89:5527-5531 (1992).	
	HT	Hoffman et al., "Structures of DNA-binding mutant zinc finger domains: Implications for DNA binding," <u>Protein Science</u> , 2:951-965 (1993).	
	HU	Ikeda et al., "Hypoxia-induced Transcriptional Activation and Increased mRNA Stability of Vascular Endothelial Growth Factor in C6 Glioma Cells," <u>J. Biol. Chem.</u> , 270: 19, 761-19, 766 (1995).	
	HV	Isalan et al., "Comprehensive DNA Recognition through Concerted Interactions from Adjacent Zinc Fingers," <u>Biochemistry</u> , 37:12026-12033 (1998).	
	HW	Isalan et al., "Synergy between adjacent zinc fingers in sequence-specific DNA recognition," <u>PNAS</u> , 94(11):5617-5621 (1997).	
	HX	Isner et al., "Clinical evidence of angiogenesis after arterial gene transfer of phVEGF 165 in patient with ischaemic limb," <u>Lancet</u> , 348:370-374 (1996).	
	HY	Jacobs, G. H., "Determination of the base recognition positions of zinc fingers from sequence analysis," <u>EMBO J.</u> , 11(12):4507-4517 (1992).	
	HZ	Jamieson et al., "A zinc finger directory for high-affinity DNA recognition," <u>PNAS</u> , 93:12834-12839 (1996).	
	IA	Jamieson, A.C. et al. "In vitro selection of zinc fingers with altered DNA-binding specificity," <u>Biochemistry</u> , 33:5689-5695 (1994).	
	IB	Joukov et al., "A novel vascular endothelial growth factor, VEGFC, is a ligand for the Flt4 (VEGFR-3) and KDR (VEGFR-2) receptor tyrosine kinases," <u>EMBO J.</u> 15: 290-298 (1996).	
	IC	Julian et al., "Replacement of His23 by Cys in a zinc finger of HIV-1 NCp7 led to a change in 1H NMR-derived 3D structure and to a loss of biological activity," <u>FEBS Letters</u> , 331(1,2):43-48 (1993).	

Examiner  
Signature

J. Schoraleyn

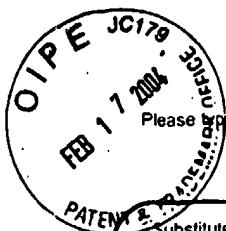
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 14

of

### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646-1647
Examiner Name	Unassigned J. Schansey
Attorney Docket Number	019496-005820US

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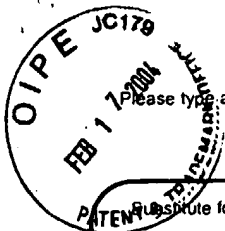
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JS	ID	Kamiuchi et al., "New multi zinc finger protein: biosynthetic design and characteristics of DNA recognition," <u>Nucleic Acids Symposium Series</u> , 37:153-154 (1997).	
	IE	Kang et al., "Zinc Finger Proteins as Designer Transcription Factors," <u>J. Biol. Chem.</u> , 275(12):8742-8748 (2000).	
	IF	Keck et al., "Vascular Permeability Factor, an Endothelial Cell Mitogen Related to PDGF," <u>Science</u> , 246: 1309-1312 (1989).	
	IG	Kim et al., "A 2.2 Å resolution crystal structure of a designed zinc finger protein bound to DNA," <u>Nat. Struct. Biol.</u> , 3(11):940-945 (1996).	
	IH	Kim et al., "Design of TATA box-binding protein/zinc finger fusions for targeted regulation of gene expression," <u>PNAS</u> , 94:3616-3620 (1997).	
	II	Kim et al., "Hybrid restriction enzymes: Zinc finger fusions to <i>Fok I</i> cleavage domain," <u>PNAS</u> , 93:1156-1160 (1996).	
	IJ	Kim et al., "Serine at Position 2 in the DNA Recognition helix of a Cys2-His2 Zinc finger Peptide is Not, in General, Responsible for Base Recognition," <u>J. Mol. Biol.</u> , 252:1-5 (1995).	
	IK	Kim et al., "Site-specific cleavage of DNA-RNA hybrids by zinc finger/ <i>FokI</i> cleavage domain fusions," <u>Gene</u> , 203:43-49 (1997).	
	IL	Kim, J-S. and Pabo, C.O. "Getting a handhold on DNA: Design of poly-zinc finger proteins with femtomolar dissociation constants," <u>PNAS</u> , 95:2812-2817 (1998).	
	IM	Kim, J-S. and Pabo, C.O. "Transcriptional repression by zinc finger peptides," <u>The Journal of Biological Chemistry</u> , 272:29795-28000 (1997).	
	IN	Kimura et al., "Hypoxia response element of the human vascular endothelial growth factor gene mediates transcriptional regulation by nitric oxide: control of hypoxia-inducible factor-1 activity by nitric oxide," <u>Blood</u> , 95: 189-197 (2000).	
	IO	Kinzler et al., "The GLI gene is a member of the Kruppel family of zinc finger proteins," <u>Nature</u> , 332:371-4 (1988).	
JS	IP	Klug et al., "Protein Motifs 5: Zinc Fingers," <u>FASEB J.</u> , 9:597-604 (1995).	

Examiner Signature	J. Schansey	Date Considered	5/7/04
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **15**

of

### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646-1647
Examiner Name	Unassigned, J. Schanzen
Attorney Docket Number	019496-005820US

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
J	IQ	Klug, "Zinc Finger Peptides for the Regulation of Gene Expression," <u>J. Mol. Biol.</u> , 293:215-218 (1999).	
	IR	Klug, A., "Gene Regulatory Proteins and Their Interaction with DNA," <u>Ann. NY Acad. Sci.</u> , 758:143-160 (1995).	
	IS	Kothekar, "Computer Simulation of Zinc Finger Motifs from Cellular Nucleic Acid Binding Proteins and their Interaction with Consensus DNA Sequences," <u>FEBS Letters</u> , 274(1,2):217-222 (1990).	
	IT	Kriwacki <i>et al.</i> , "Sequence-Specific Recognition of DNA by Zinc-Finger Peptides Derived from the Transcription Factor Sp1," <u>PNAS</u> , 89:9759-9763 (1992).	
	IU	Kudla <i>et al.</i> , "The regulatory gene <i>area</i> mediating nitrogen metabolite repression in <i>Aspergillus nidulans</i> . Mutations affecting specificity of gene activation alter a loop residue of a putative zinc finger," <u>EMBO J.</u> , 9(5):1355-1364 (1990).	
	IV	Ladoux <i>et al.</i> , "Cobalt Stimulates the Expression of Vascular Endothelial Growth Factor mRNA in Rat Cardiac Cells," <u>Biochem Biophys. Res. Commun.</u> , 204:794-798 (1994).	
	IW	Laird-Offringa <i>et al.</i> , "RNA-binding proteins tamed," <u>Nat. Structural Biol.</u> , 5(8):665-668 (1998).	
	IX	Lee <i>et al.</i> , "Vascular endothelial growth factor-related protein: A ligand and specific activator of the tyrosine kinase receptor Flt4," <u>PNAS</u> , 93: 1988=1992 (1996).	
	IY	Leung <i>et al.</i> , k "Vascular Endothelial Growth Factor Is a Secreted Angiogenic Mitogen," <u>Science</u> , 246: 1306-1309 (1989).	
	IZ	Levy <i>et al.</i> , Transcriptional Regulation of the Rat Vascular Endothelial Growth Factor Gene by Hypoxia," <u>J. Biol. Chem.</u> , 270: 13,333-13, 340 (1995).	
	JA	Liu <i>et al.</i> , "Hypoxia Regulates Vascular Endothelial Growth Factor Gene Expression in Endothelial Cells," <u>Circ. Res.</u> , 77: 638-643 (1995).	
	JB	Liu, Q. <i>et al.</i> "Design of polydactyl zinc-finger proteins for unique addressing within complex genomes," <u>PNAS</u> , 95:5525-5530 (1997).	
	JC	Lytle, D.J. <i>et al.</i> , "Homologs of Vascular Endothelial Growth Factor are Encoded by the Poxvirus Orf Virus," <u>J. Virology</u> , 68: 84-92 (1994).	

Examiner  
Signature

J. Schanzen

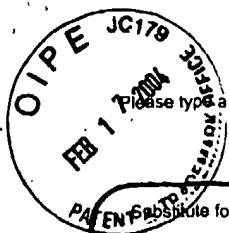
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		Application Number	09/846,033
		Filing Date	April 30, 2001
		First Named Inventor	Rebar, Edward, et al.
		Group Art Unit	1646-1647
		Examiner Name	Unassigned J. Scharsen
Sheet 16 of	Attorney Docket Number	019496-005820US	

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JS	JD	Maglione et al., "Isolation of a human placenta cDNA coding for a prtein related to the vascular permeability factor," <u>PNAS</u> , 88: 9267-9271 (1991).	
	JE	Mandel-Gutfreund et al., "Quantitative parameters for amino acid-base interaction: implications for prediction of protein-DNA binding sites," <u>Nuc. Acids Res.</u> , 26(10):2306-2312 (1998).	
	JF	Margolin et al., "Kruppel-associated boxes are potent transcriptional repression domains," <u>PNAS</u> , 91:4509-4513 (1994).	
	JG	McNamara et al., "A novel four zinc-finger protein targeted against p190 (BcrAbl) fusion oncogene cDNA: utilizaiton of zinc-finger recognition codes," <u>Nucleic Acid Research</u> , 28(24):4865-4872 (2000).	
	JH	Meyer et al., "A Novel Vascular Endothelial Growth Factor Encoded by Orf virus, VEGF-E, mediates angiogenesis via signalling through VEGFR-2 (KDR) bu not VEGFR 1 (flt-1) receptor Tyrosine Kinases," <u>EMBO J.</u> , 18: 363-374 (1999).	
	JI	Migdal et al., "Neuropilin-1 Is a Placenta Growth Factor-2 receptor," <u>J.Biol. Chem.</u> , 273:22272-22278 (1998).	
	JJ	Milanini et al., "p42/p44 MAP Kinase Module Plays a Key Role in the Transcriptional Regulation of the Vascular Endothelial Growth Factor Gene in Fibroblasts," <u>J. Biol. Chem.</u> , 273: 18, 165-18,172 (1998).	
	JK	Mizushima et al., "pEF-BOS, a powerful mammalian expression vector," <u>Nuc. Acids Res.</u> , 18(17):5322 (1990).	
	JL	Nakagama et al., "Sequence and Structural Requirements for High-Affinity DNA Binding by the WT1 Gene Product," <u>Molecular and Cellular Biology</u> , 15(3):1489-1498 (1995).	
	JM	Nardelli et al., "Base sequence discrimination by zinc-finger DNA-binding domains," <u>Nature</u> , 349:175-178 (1991).	
	JN	Nardelli et al., "Zinc finger-DNA recognition: analysis of base specificity by site-directed mutagenesis," <u>Nuc. Acids Res.</u> , 20(16):4137-4144 (1992).	
✓	JO	Nekludova et al., "Distinctive DNA conformation with enlarged major groove is found in Zn-finger—DNA and other protein—DNA complexes," <u>PNAS</u> , 91:6948-6952 (1994).	

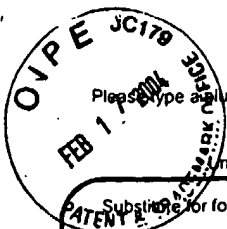
Examiner Signature	J. Scharsen	Date Considered	5/7/04
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		Application Number	09/846,033		
		Filing Date	April 30, 2001		
		First Named Inventor	Rebar, Edward, et al.		
		Group Art Unit	1040-1648		
		Examiner Name	Unassigned J. Scharasey		
Sheet	17	of		Attorney Docket Number	019496-005820US

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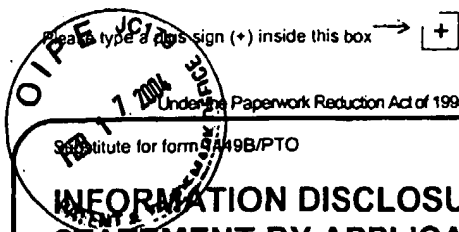
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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JS	JP	Ogawa, S. et al., A Novel Type of Vascular Endothelial Growth Factor, VEGF-E (NZ-7 VEGF), Preferentially Utilizes KDR/FLK-1 Receptor and Carries a Potent Mitotic Activity without Heparin-binding Domain," <u>J. Biol. Chem.</u> , 273:31273-31282 (1998).	
	JQ	Olofsson et al., "Vascular endothelial growth factor B, a novel growth factor for endothelial cells," <u>PNAS</u> , 93: 2576-2581 (1996).	
	JR	Orkin et al., "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy," <u>NIH Homepage</u> , 41 pages total (1995).	
	JS	Pabo et al., "Geometric Analysis and Comparison of Protein-DNA Interfaces: Why is there no simple code for recognition," <u>J. Mol. Biol.</u> , 301:597-635 (2000).	
	JT	Pabo et al., "Protein-DNA Recognition," <u>Ann. Rev. Biochem.</u> , 53:293-321 (1984).	
	JU	Pabo et al., "Systematic Analysis of Possible Hydrogen Bonds between Amino Acid Side Chains and B-form DNA," <u>J. Biomolecular Struct. Dynamics</u> , 1:1039-1049 (1983).	
	JV	Pabo, C. O., "Transcription Factors: Structural Families and Principals of DNA Recognition," <u>Ann. Rev. Biochem.</u> , 61:1053-1095 (1992).	
	JW	Pavletich et al., "Crystal Structure of a Five-Finger GLI-DNA Complex: New Perspectives on Zinc Fingers," <u>Science</u> , 261:1701-1707 (1993).	
	JX	Pavletich et al., "Zinc Finger-DNA Recognition: Crystal Structure of a Zif268-DNA Complex at 2.1 Å," <u>Science</u> , 252:809-817 (1991).	
	JY	Pengue et al., "Kruppel-associated box-mediated repression of RNA polymerase II promoters is influenced by the arrangement of basal promoter elements," <u>PNAS</u> , 93:1015-1020 (1996).	
	JZ	Pengue et al., "Repression of transcriptional activity at a distance by the evolutionarily conserved KRAB domain present in a subfamily of zinc finger proteins," <u>Nuc. Acids Res.</u> , 22(15):2908-2914 (1994).	
KA	Pengue et al., "Transcriptional Silencing of Human Immunodeficiency Virus Type 1 Long Terminal Repeat-Driven Gene Expression by the Kruppel-Associated Box Repressor Domain Targeted to the Transactivating Response Element," <u>J. Virology</u> , 69(10):6577-6580 (1995).		

Examiner Signature	J. Scharasey	Date Considered	5/7/04
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 18

of

**Complete if Known**

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646-1647
Examiner Name	Unassigned J. Schvab
Attorney Docket Number	019496-005820US

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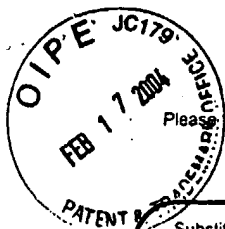
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JS	KB	Pettersson et al., "Heterogeneity of the Angiogenic Response Induced in Different Normal Adult Tissues by Vascular Permeability Factor/Vascular Endothelial Growth Factor," <u>Laboratory Investigation</u> , 80:99-115 (2000).	
	KC	Pomerantz et al., "Analysis of homeodomain function by structure-based design of a transcription factor," <u>PNAS</u> , 92:9752-9756 (1995).	
	KD	Pomerantz et al., "Structure-Based Design of a Dimeric Zinc Finger Protein," <u>Biochemistry</u> , 37(4):965-970 (1998).	
	KE	Pomerantz, J.L. et al. "Structure-based design of transcription factors," <u>Science</u> , 267:93-96 (1995).	
	KF	Qian et al., "Two-dimensional NMR Studies of the Zinc Finger Motif: Solution Structures and Dynamics of Mutant ZFY Domains Containing Aromatic Substitutions in the Hydrophobic Core," <u>Biochemistry</u> , 31:7463-7476 (1992).	
	KG	Quigley et al., "Complete Androgen Insensitivity Due to Deletion of Exon C of the Androgen Receptor Gene Highlights the Functional Importance of the Second Zinc Finger of the Androgen Receptor <i>in Vivo</i> ," <u>Molecular Endocrinology</u> , 6(7):1103-1112 (1992).	
	KH	Rauscher et al., "Binding of the Wilms' Tumor Locus Zinc Finger Protein to the EGR-1 Consensus Sequence," <u>Science</u> , 250:1259-1262 (1990).	
	KI	Ray et al., "Repressor to activator switch by mutations in the first Zn finger of the glucocorticoid receptor: Is direct DNA binding necessary?," <u>PNAS</u> , 88:7086-7090 (1991).	
	KJ	Rebar et al., "Phage Display Methods for Selecting Zinc Finger Proteins with Novel DNA-Binding Specificities," <u>Methods in Enzymology</u> , 267:129-149 (1996).	
	KK	Rebar, E.J. and Pabo, C.O. "Zinc finger phage: Affinity selection of fingers with new DNA-binding Specificities." <u>Science</u> , 263:671-673 (1994).	
	KL	Reith et al., "Cloning of the major histocompatibility complex class II promoter binding protein affected in a hereditary defect in class II gene regulation," <u>PNAS</u> , 86:4200-4204 (1989).	

Examiner Signature	J. Schvab	Date Considered	5/7/04
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 19

of

### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1846-11483
Examiner Name	Unassigned J. Schwartz
Attorney Docket Number	019496-005820US

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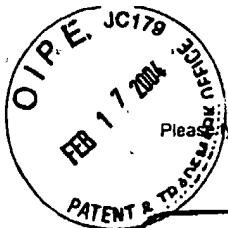
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JS	KM	Rhodes et al., "Zinc Fingers: They play a key part in regulating the activity of genes in many species, from yeast to humans. Fewer than 10 years ago no one knew they existed," <u>Scientific American</u> , 268:56-65 (1993).	
	KN	Rice et al., "Inhibitors of HIV Nucleocapsid Protein Zinc Fingers as Candidates for the Treatment of AIDS," <u>Science</u> , 270:1194-1197 (1995).	
	KO	Rivera et al., "A humanized system for pharmacologic control of gene expression," <u>Nature Medicine</u> , 2(9):1028-1032 (1996).	
	KP	Rollins et al., "Role of TFIIIA Zinc Fingers In vivo: Analysis of Single-Finger Function in Developing <i>Xenopus</i> Embryos," <u>Molecular Cellular Biology</u> , 13(8):4776-4783 (1993).	
	KQ	Rosengart et al., "Angiogenesis Gene Therapy- Phase I Assessment of Direct Intramyocardial Administration of an Adenovirus Vector expressing VEGF121 cDNA to Individuals with Clinically Significant Severe Coronary Artery Disease," <u>Circulation</u> , 100: 468-474 (1999).	
	KR	Rosengart et al., "Six-Month Assessment of a Phase I Trial of Angiogenic Gene Therapy for the Treatment of Coronary Artery Disease Using Direct Intramyocardial Administration of an Adenovirus Vector Expressing the VEGF121 cDNA," <u>Ann. Surg.</u> , 230: 466-470 (1999).	
	KS	Ruben et al., "Isolation of a rel-Related Human cDNA that Potentially Encodes the 65-kD Subunit of NF-kB," <u>Science</u> , 251: 1490-1493 (1991).	
	KT	Ryuto et al., "Induction of Vascular Endothelial Growth Factor by Tumor Necrosis Factor $\alpha$ in Human Glioma Cells," <u>J. Biol. Chem.</u> , 271:28, 220- 28, 228 (1996).	
	KU	Sadowski et al., "GAL4-VP16 is an unusually potent transcriptional activator," <u>Nature</u> , 335: 563-568 (1998).	
	KV	Saleh et al., "A Novel Zinc Finger Gene on Human Chromosome 1qter That Is Alternatively Spliced in Human Tissues and Cell Lines," <u>Am. J. Hum. Genet.</u> , 52:192-203 (1993).	
	KW	Salimath et al., "Expression of the vascular endothelial growth factor gene is inhibited by p73," <u>Oncogene</u> , 19: 3470-3746 (2000).	

Examiner Signature	J. Schwartz	Date Considered	5/7/04
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **20** of

### Complete If Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	4646-1647
Examiner Name	Unassigned
Attorney Docket Number	019496-005820US

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JS	KX	Segal et al. 'Design of Novel Sequence-Specific DNA-binding proteins,' <u>Current Opinion in Chemical Biology</u> , 4:34-39 (2000).	
	KY	Segal et al. "Toward controlling gene expression at will: Selection and design of zinc finger domains recognizing each of the 5'-GNN-3' DNA target sequences," <u>PNAS</u> , 96:2758-2763 (1999).	
	KZ	Shi et al., "A direct comparison of the properties of natural and designed finger proteins," <u>Chem. &amp; Biol.</u> , 2(2):83-89 (1995).	
	LA	Shi et al., "DNA Unwinding Induced by Zinc Finger Protein Binding," <u>Biochemistry</u> , 35:3845-3848 (1996).	
	LB	Shi et al., "Specific DNA-RNA Hybrid Binding by Zinc Finger Proteins," <u>Science</u> , 268:282-284 (1995).	
	LC	Singh et al., "Molecular Cloning of an Enhancer Binding Protein: Isolation by Screening of an Expression Library with a Recognition Site DNA," <u>Cell</u> , 52:415-423 (1988).	
	LD	Skerka et al., "Coordinate Expression and Distinct DNA-Binding Characteristics of the Four EGR-Zinc Finger Proteins in Jurkat T Lymphocytes," <u>Immunobiology</u> , 198:179-191 (1997).	
	LE	Soker et al., "Neuropilin-1 Is Expressed by Endothelial and Tumor Cells as an Isoform-Specific Receptor for Vascular Endothelial Growth Factor," <u>Cell</u> , 92: 735-745 (1998).	
	LF	South et al., "The Nucleocapsid Protein Isolated from HIV-1 Particles Binds Zinc and Forms Retroviral-Type Zinc Fingers," <u>Biochemistry</u> , 29:7786-7789 (1990).	
	LG	Suzuki et al. "DNA recognition code of transcription factors in the helix-turn-helix, probe helix, hormone receptor, and zinc finger families," <u>PNAS</u> , 91:12357-12361 (1994).	
	LH	Suzuki et al., "Stereochemical basis of DNA recognition by Zn fingers," <u>Nuc. Acids Res.</u> , 22(16):3397-3405 (1994).	
	LI	Swirnoff et al., "DNA-Binding Specificity of NGFI-A and Related Zinc Finger Transcription Factors," <u>Mol. Cell. Biol.</u> , 15(4):2275-2287 (1995).	
LJ	Taylor et al, "Designing Zinc-Finger ADR1 Mutants with Altered Specificity of DNA Binding to T in UAS1 Sequences," <u>Biochemistry</u> , 34:3222-3230 (1995).		

Examiner  
Signature

J. Schomser

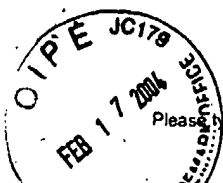
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### Complete if Known

Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646 <i>cap</i>
Examiner Name	Unassigned <i>J. Schenker</i>
Attorney Docket Number	019496-005820US

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<i>JS</i>	LK	Thiesen et al., "Amino Acid Substitutions in the SP1 Zinc Finger Domain Alter the DNA Binding Affinity to Cognate SP1 Target Site," <u>Biochem. Biophys. Res. Communications</u> , 175(1):333-338 (1991).	
	LL	Thiesen et al., "Determination of DNA binding Specificities of mutated zinc finger domains," <u>FEBS Letters</u> , 283(1):23-26 (1991).	
	LM	Thukral et al., "Alanine scanning site-directed mutagenesis of the zinc fingers of transcription factor ADR1: Residues that contact DNA and that transactivate," <u>PNAS</u> , 88:9188-9192 (1991).	
	LN	Thukral et al., "Alanine scanning site-directed mutagenesis of the zinc fingers of transcription factor ADR1: residues that contact DNA and that transactivate," <u>PNAS</u> , 90:7908 (1993).	
	LO	Thukral et al., "Localization of a Minimal Binding Domain and Activation Regions in Yeast Regulatory Protein ADR1," <u>Molecular Cellular Biology</u> , 9(6):2360-2369 (1989).	
	LP	Thukral et al., "Mutations in the Zinc Fingers of ADR1 That Change the Specificity of DNA Binding and Transactivation," <u>Mol. Cell Biol.</u> , 12(6):2784-2792 (1992).	
	LQ	Thukral et al., "Two Monomers of Yeast Transcription Factor ADR1 Bind a Palindromic Sequence Symmetrically to Activate <i>ADH2</i> Expression," <u>Molecular Cellular Biol.</u> , 11(3):1566-1577 (1991).	
	LR	Vorkamp et al., "Identification of Optimized Target Sequences for the GLI3 Zinc Finger Protein," <u>DNA Cell Biol.</u> , 14(7):629-634 (1995).	
	LS	Wang et al., "Dimerization of Zinc Fingers Mediated by Peptides Evolved <i>In Vitro</i> from Random Sequences," <u>PNAS</u> , 96:9568-9573 (1999).	
	LT	Webster et al., "Conversion of the E1A Cys4 zinc finger to a nonfunctional His2, Cys2 zinc finger by a single point mutation," <u>PNAS</u> , 88:9989-9993 (1991).	
	LU	Whyatt et al., "The two zinc finger-like domains of GATA-1 have different DNA binding specificities," <u>EMBO J.</u> , 12(13):4993-5005 (1993).	
<i>u</i>	LV	Wilson et al., " <i>In Vivo</i> Mutational analysis of the NGFI-A Zinc Fingers*," <u>J. Biol. Chem.</u> , 267(6):3718-3724 (92).	

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Signature

*J. Schenker*

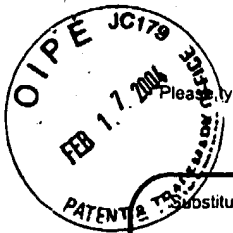
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Application Number	09/846,033
Filing Date	April 30, 2001
First Named Inventor	Rebar, Edward, et al.
Group Art Unit	1646 <i>(G47)</i>
Examiner Name	Unassigned <i>J. Schaefer</i>
Attorney Docket Number	019496-005820US

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<i>JS</i>	LW	Witzgall et al., "The Kruppel-associated box-A (KRAB-A) domain of zinc finger proteins mediates transcriptional repression," <i>PNAS</i> , 91:4514-4518 (1994).	
	LX	Wolfe et al., "Analysis of Zinc Fingers Optimized Via Phage Display: Evaluating the Utility of a Recognition Code," <i>J. Mol. Biol.</i> , 285:1917-1934 (1999).	
	LY	Wolfe et al., "Combining structure-base design with phage display to create new Cys2His2 zinc finger dimers," <i>Structure</i> , vol 8(7):739-750 (2000).	
	LZ	Wolfe et al., "DNA Recognition by Cys2His2 Zinc Finger Proteins," <i>Annu. Rev. Biophys. Struct.</i> , 3:183-212 (1999).	
	MA	Wright et al., "Expression of a Zinc Finger Gene in HTLV-I- and HTLV-II-transformed Cells," <i>Science</i> , 248:588-591 (1990).	
	MB	Wu, H. et al. "Building zinc fingers by selection: Toward a therapeutic application." <i>PNAS</i> , 92:344-348 (1995).	
	MC	Yang et al., "Surface plasmon resonance based kinetic studies of zinc finger-DNA interactions," <i>J. Immunol. Methods</i> , 183:175-182 (1995).	
	MD	Yu et al., "A hairpin ribozyme inhibits expression of diverse strains of human immunodeficiency virus type 1," <i>PNAS</i> , 90:6340-6344 (1993).	
<i>u</i>	ME	Zhang et al., "Synthetic Zinc Finger Transcription Factor Action at an Endogenous Chromosomal Site- Activation of the Human Erythropoietin gene," <i>J. Biol. Chem.</i> , 275:33850-33860 (2000).	

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Examiner Signature	<i>J. Schaefer</i>	Date Considered	<i>5/7/04</i>
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